



STATE OF ALABAMA

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

INVITATION TO BID NO: 10-R-2218992

REQ. AGENCY : 012065
ALDOT - TRANS PLANNING
AGENCY REQ. NO. : G15-003683
T-NUMBER :
DATE ISSUED : 05/18/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1440649
BUYER NAME : CRIST WATTS

FOR: TRAFFIC COUNTERS

BUYER PHONE NO. : (334) 242-4291-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 06/14/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 06/15/10 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE
MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE
ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED.
I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN
RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO
REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

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INVITATION TO BID

OPEN DATE : 06/15/10 TIME: 10:00 AM

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 01/14/10

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
BID RECEIVED LATE
BID NOT SIGNED/NOT ORIGINAL SIGNATURE
BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
NOTARIZED OWN SIGNATURE
REQUIRED INFORMATION NOT SUBMITTED WITH BID
FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

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INVITATION TO BID

INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

SPECIAL TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

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INVITATION TO BID

AWARD:

AWARD WILL BE MADE "ALL OR NONE" TO THE LOWEST RESPONSIBLE BIDDER
MEETING ALL SPECIFICATIONS.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN
THE BID PRICES.

PRICE SHEET

VENDOR NAME :

VENDOR NUMBER: -

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INVITATION TO BID

OPEN DATE : 06/15/10 TIME: 10:00 AM

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED OTHERWISE BELOW: SHIP TO: 012146 / 012M01 AL DOT / TRANSPORTATION PLANNING TRAFFIC CNTR REPAIR/TRAFFIC ENGR 511 TRAFFIC OPERATION DR MONTGOMERY AL 36110					
00001	COMMODITY CODE: 550-82-067576 TRAFFIC COUNTER, PER ATTACHED SPECS UNITS ARE TO BE INSTALLED AT ROADSIDE AND WILL NOT REQUIRE AN S.G. NUMBER, FIELD RECORDER FOR COLLECTING CLASSIFICATION AND COUNT DATA. UNITS MUST PROVIDE A MINIMUM OF 15 USER DEFINABLE VEHICLE TYPE BINS WITH FHWA SCHEME "F" DEFAULT. EACH COUNTER TO BE EQUIPPED WITH KEYPAD INPUTS. COUNTERS PURCHASED WILL HAVE FOUR AIR SWITCHES FOR ROAD TUBES.	50	EACH		
MFR_____MODEL_____					
SAMPLE UNIT MUST BE SUPPLIED PRIOR TO THE BID OPENING DATE PER PROVIDED SPECIFICATIONS. FAILURE TO PROVIDE THE REQUIRED SAMPLE WILL RESULT IN THE REJECTION OF YOUR BID.					
00002	COMMODITY CODE: 550-82-067576 TRAFFIC COUNTER, PER ATTACHED SPECS UNITS ARE TO BE INSTALLED AT ROADSIDE AND WILL NOT REQUIRE AND S.G. NUMBER, FIELD RECORDER FOR COLLECTING CLASSIFICATION AND COUNT DATA. UNITS MUST PROVIDE A MINIMUM OF 15 USER DEFINABLE VEHICLE TYPE BINS WITH FHWA SCHEME "F" DEFAULT. EACH COUNTER TO BE EQUIPPED WITH KEYPAD INPUTS. COUNTERS PURCHASED WILL HAVE FOUR AIR SWITCHES FOR ROAD TUBES AND 8 LOOP INPUTS WITH CAPABILITY TO ADD ADDITIONAL LOOP BOARDS	50	EACH		
MFR_____MODEL_____					
SAMPLE UNIT MUST BE SUPPLIED PRIOR TO THE BID OPENING DATE PER PROVIDED SPECIFICATIONS. FAILURE TO PROVIDE THE REQUIRED SAMPLE WILL RESULT IN THE REJECTION OF YOUR BID.					

PAGE TOTAL

BID TOTAL

VEHICLE COUNTER/CLASSIFIERS SPECIFICATIONS

Counter/classifiers purchased under this requisition must conform to the following specifications.

Power Source and Requirements:

Power: 6 volt sealed gel cell battery, rechargeable with 110-volt adapter or solar panel. Battery should maintain counter for a period of 3-4 weeks without recharging (depending on traffic volumes). Unit will be equipped with a solar panel of adequate size to maintain battery indefinitely in normal sun conditions. Solar panel must be encased and completely environmentally sealed in a high impact resistant, UV stabilized plastic. The solar panel shall be mounted on top of the classifier and recessed to protect the panel. The units will be designed to allow stacking without damaging or scratching the solar panel.

Field Set-up and Monitoring:

Unit must contain a built-in 16-key keypad and LCD display with full alphanumerical capability for set up and monitoring.

Unit must be fully compatible with windows based laptop for set-up, monitoring, and retrieving data.

Memory:

Units will be equipped with a minimum of 1 MB of usable standard internal, battery backed RAM and must be capable of storing a minimum of fifteen days of two (2) lanes of FHWA classification Scheme "F" data collected in one (1) hour intervals.

Inputs:

Four air switches for road tubes.

Count Rate:

20 vehicles per second - per channel.

Software:

Vendor must furnish user friendly software capable of operating on a standard computer operating under the Windows XP environment. The software must have conversion and editing capabilities to output the data in a format that satisfies department and FHWA needs.

Software upgrades will be provided for a period of two years at no additional cost to the State of Alabama Department of Transportation. Software must be supplied to operate laptop computers for retrieving data from counters and transferring data.

Field units must have an onboard real time clock calendar. The clock must be a twenty-four (24) hour time clock with hours, minutes and seconds. The calendar must output the day, month and year, compensating for leap year. The recording interval must be selectable between 1 and 1440 minutes.

Specifications for Requisition Number G15 -

Accuracy:

The units selected for purchase under this requisition shall be capable of accurately recording and classifying a minimum of ninety (90) percent of the vehicles being monitored and must meet the accuracy requirements for the HPMS and WIM programs as specified by the FHWA. Unit must be capable of classifying two lanes of traffic simultaneously, either traveling in same, or opposite directions. This accuracy will be checked and verified by comparing the data collected with manual counts and counts made with our existing equipment. If the accuracy level required is not met within three months of delivery and the training period, the State of Alabama retains the right to cancel the purchase order, return the units to the vendor and purchase units from the next lowest bidder.

Configuration:

Must be capable of storing each lane count in an individual bin, or all lanes in a single bin. Must be able to view input activity via onboard display and/or laptop computer as it is being binned. Counters must be capable of storing setup information, site number, configuration and count interval. Site ID must provide at least ten digits for site identification. The classification table should allow a minimum of 15 user definable bins, with 24 vehicle types, with FHWA Scheme "F" as default. Units must be capable of collecting selectable multiple studies in one setup (i.e., speed, classification, volume, gap, headway), with option to select individual or a combination of reports.

The following parameters must be capable of being changed, viewed or reset via an onboard keyboard and a laptop computer:

- | | |
|-------------------------|---------------------------|
| A. Time & date | E. Type of files required |
| B. Classification table | F. Sensor calibration |
| C. Site number | G. Recording interval |
| D. Configuration | H. Battery status |

Vendor must supply one (1) cable for each eight (8) (or fraction of) units to connect unit to laptop computer and a 110 volt AC battery charging device for each counter. Each counter to include a quality lock (Master #1 or equal, all keyed alike). 12 operating manuals and 4 software manuals will be supplied.

The counter will be housed in a sturdy, seamless, rustproof, watertight case with a locking lid and an integral handle for carrying and securing. Vent holes for battery case must be situated so that water cannot enter case.

Training at our facilities on the use of the supplied equipment and software shall be provided for a maximum of three (3) days. The cost of this training is to be included in the price of the bid units.

Units must be furnished with all schematics and service information.

Vendor must supply a list of current users with phone numbers and a test unit with operating and software manuals and any required software, cables and accessories needed to operate the equipment for a 30-day evaluation .

Ship these items to:

**Traffic Counter Repair Shop
Alabama Department of Transportation
Transportation Planning Bureau
ATTN: Charles W. Turney
511 Traffic Operations Drive
Montgomery, Al. 36110**

VEHICLE COUNTER/CLASSIFIERS SPECIFICATIONS

Counter/classifiers purchased under this requisition must conform to the following specifications.

Power Source and Requirements:

Power: 6 volt sealed gel cell battery, rechargeable with 110-volt adapter or solar panel. Battery should maintain counter for a period of 3-4 weeks without recharging (depending on traffic volumes).

Unit will be equipped with a solar panel of adequate size to maintain battery indefinitely in normal sun conditions. Solar panel must be encased and completely environmentally sealed in a high impact resistant, UV stabilized plastic. The solar panel shall be mounted on top of the classifier and recessed to protect the panel. The units will be designed to allow stacking without damaging or scratching the solar panel.

Field Set-up and Monitoring:

Unit must contain a built-in key keypad and LCD display with full alphanumeric capability for set up and monitoring.

Unit must be fully compatible with windows based laptop for set-up, monitoring, and retrieving data.

Memory:

Units will be equipped with a minimum of 1 MB of usable standard internal, battery backed RAM and must be capable of storing a minimum of fifteen days of two (2) lanes of FHWA classification Scheme "F" and speed data collected in one (1) hour intervals.

Inputs:

Four air switches for road tubes.

Eight loop input w/capability to add additional loop board.

Count Rate:

20 vehicles per second per channel.

Software:

Vendor must furnish user friendly software capable of operating on a standard computer operating under the Windows XP environment. The software must have conversion and editing capabilities to output the data in a format that satisfies department and FHWA needs. Software upgrades will be provided for a period of two years at no additional cost to the State of Alabama Department of Transportation. Software must be supplied to operate laptop computers for retrieving data from counters and transferring data.

Field units must have an onboard real time clock calendar. The clock must be a twenty-four (24) hour time clock with hours, minutes and seconds. The calendar must output the day, month and year, compensating for leap year. The recording interval must be selectable between 1 and 1440 minutes.

Accuracy:

The units selected for purchase under this requisition shall be capable of accurately recording and classifying a minimum of ninety (90) percent of the vehicles being monitored and must meet the accuracy requirements for the HPMS and WIM programs as specified by the FHWA. Unit must be capable of classifying two lanes of traffic simultaneously, either traveling in same, or opposite directions. This accuracy will be checked and verified by comparing the data collected with manual counts and counts made with our existing equipment. If the accuracy level required is not met within three months of delivery and the training period, the State of Alabama retains the right to cancel the purchase order, return the units to the vendor and purchase units from the next lowest bidder.

Configuration & Setup

Unit must be capable of storing each channel in an individual bin, or summing different combinations of channels into separate bins. Must be able to summate channels without having to set up each lane individually. Must be able to view all input activity simultaneously via onboard display and/or laptop computer in real time. Counters must be capable of storing setup information, site number, configuration and count interval. Site ID must provide at least ten digits for site identification. The classification table should allow a minimum of 15 user definable bins, with 24 vehicle types, with FHWA Scheme "F" as default. Units must be capable of collecting selectable multiple studies in one setup (i.e., speed, classification, volume, gap, headway), with option to select individual or a combination of reports.

The following parameters must be capable of being changed, viewed or reset via an onboard keyboard or a laptop computer:

- | | | |
|-------------------------|---------------------------|-----------------------|
| A. Time & date | E. Type of files required | I. Loop Sensitivity & |
| B. Classification table | F. Sensor calibration | Hysteresis |
| C. Site number | G. Recording interval | |
| D. Configuration | H. Battery status | |

Vendor must supply one (1) cable for each eight (8) (or fraction of) units to connect unit to laptop computer, one cable per loop input for each counter, and a 110 volt AC battery charging device for each counter. Each counter to include a quality lock (Master #1 or equal, all keyed alike). 12 operating manuals and 4 software manuals will be supplied.

The counter will be housed in a sturdy, seamless, rustproof, watertight case with a locking lid and an integral handle for carrying and securing. Vent holes for battery case must be situated so that water cannot enter case.

Training at our facilities on the use of the supplied equipment and software shall be provided for a maximum of three (3) days. The cost of this training is to be included in the price of the bid units.

Units must be furnished with all schematics and service information.

Vendor must supply a list of current users with phone numbers and a test unit with operating and software manuals and any required software, cables and accessories needed to operate the equipment for a 30-day evaluation .

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